

**To:** Johnson, Steffan[johnson.steffan@epa.gov]; Narvaez, Madonna[Narvaez.Madonna@epa.gov];  
McClintock, Katie[McClintock.Katie@epa.gov]  
**Cc:** Fairchild, Susan[Fairchild.Susan@epa.gov]  
**From:** Doolan, Stephanie  
**Sent:** Mon 2/22/2016 3:14:28 PM  
**Subject:** RE: Meeting with Bullseye Glass

I just had a couple of comments.

## Ex. 5 - Deliberative Process

In our experience with the Cr VI issue in KCK, we were able to explain to the community that we didn't previously know about the emissions until we began to look at the stack test results in the development of the NESHAP, and that the company was indeed operating in accordance with the law. We explained the process toward achieving tighter control standards to protect human health. We posted results on the internet. We had a number of meetings and dialogue. It didn't make them "happy" but we were able to explain what we knew, the process toward finding out what we needed to know, e.g. emissions testing, air sampling, etc. and the process toward controlling the emissions. We were able to get out ahead of the issue in KCK.

### Ex. 5 - Deliberative Process

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So sad for these folks,

### Ex. 5 - Deliberative Process

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Please let me know if there's anything I can do to help. The QAPP I provided has a lot of information in it about the risk screening values we used, the sample collect and analytical method we used. We got outrageously low detection limits, so low I wondered about the reliability. But we had some positive results consistently that corroborated the ND's, along with met conditions, etc.

*Thank you!*

*Stephanie B. Doolan*

*Air & Waste Management Division*

*Air Planning and Development Branch*

*(913) 551-7719*

*Doolan.stephanie@epa.gov*

**From:** Johnson, Steffan

**Sent:** Monday, February 22, 2016 6:41 AM

**To:** Narvaez, Madonna <Narvaez.Madonna@epa.gov>; McClintock, Katie <McClintock.Katie@epa.gov>

**Cc:** Doolan, Stephanie <Doolan.Stephanie@epa.gov>; Fairchild, Susan <Fairchild.Susan@epa.gov>

**Subject:** RE: Meeting with Bullseye Glass

Katie and Madonna,

Some thoughts after Friday's phone call.

Particulate from glass furnaces typically consists of very fine particles, largely PM-10 and finer. Metals are likely to be emitted as a fume and will likely be PM 2.5 and finer. Baghouse controls for such a fume would be effective if the baghouse were a cartridge type (usually smaller), but likely not a reverse-air type baghouse (usually larger). The key with a baghouse is that the incoming gas stream needs to be fairly cool, compared to the furnace; on the order of 350 deg.F and less.

Such fine particulate is also very good at creating opacity. Do you know if any opacity readings have been done at Bullseye? I am just curious if visible emissions are obvious there; that would indicate a need to install controls, and may serve as confirmation that such controls are effective. Fine particulate has much more surface area than larger particulate, so it occludes more sunlight and, ergo, creates higher opacity.

## **Ex. 5 - Deliberative Process**

Please let me know if you have additional questions,

Stef

**From:** Narvaez, Madonna  
**Sent:** Friday, February 19, 2016 2:41 PM  
**To:** McClintock, Katie <[McClintock.Katie@epa.gov](mailto:McClintock.Katie@epa.gov)>; Johnson, Steffan <[johnson.steffan@epa.gov](mailto:johnson.steffan@epa.gov)>  
**Cc:** Doolan, Stephanie <[Doolan.Stephannie@epa.gov](mailto:Doolan.Stephannie@epa.gov)>  
**Subject:** RE: Meeting with Bullseye Glass

Also, there is a chrome plater in the area, but they don't use cadmium and appear to be well controlled.

**From:** McClintock, Katie  
**Sent:** Friday, February 19, 2016 11:34 AM  
**To:** Johnson, Steffan <[johnson.steffan@epa.gov](mailto:johnson.steffan@epa.gov)>  
**Cc:** Doolan, Stephanie <[Doolan.Stephannie@epa.gov](mailto:Doolan.Stephannie@epa.gov)>; Narvaez, Madonna <[Narvaez.Madonna@epa.gov](mailto:Narvaez.Madonna@epa.gov)>  
**Subject:** RE: Meeting with Bullseye Glass

## Ex. 5 - Deliberative Process

**From:** Johnson, Steffan  
**Sent:** Friday, February 19, 2016 11:21 AM  
**To:** McClintock, Katie <[McClintock.Katie@epa.gov](mailto:McClintock.Katie@epa.gov)>  
**Cc:** Doolan, Stephanie <[Doolan.Stephannie@epa.gov](mailto:Doolan.Stephannie@epa.gov)>; Narvaez, Madonna <[Narvaez.Madonna@epa.gov](mailto:Narvaez.Madonna@epa.gov)>  
**Subject:** Re: Meeting with Bullseye Glass

Thank you!

Sent from my iPhone

On Feb 19, 2016, at 2:20 PM, McClintock, Katie <[McClintock.Katie@epa.gov](mailto:McClintock.Katie@epa.gov)> wrote:

Amended call in number and presentation for our call at 2.

**From:** Hunter, Jeffrey (Perkins Coie) [<mailto:JHunter@perkinscoie.com>]  
**Sent:** Friday, February 19, 2016 11:10 AM  
**To:** McClintock, Katie <[McClintock.Katie@epa.gov](mailto:McClintock.Katie@epa.gov)>  
**Cc:** Garrahan Paul <[Paul.Garrahan@doj.state.or.us](mailto:Paul.Garrahan@doj.state.or.us)>  
**Subject:** Re: Meeting with Bullseye Glass

Katie:

I just left a message.

In order for the folks on the phone to see the slides, we need to set up a live video link.

Below is the information.

Please note there is a different call-in number. I do not know who from EPA is attending so please circulate.

**Jeffrey Hunter | Perkins Coie LLP**

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